



Application No: GB 9620073.8  
Claims searched: All

Examiner: Ken Strachan  
Date of search: 2 December 1996

**Patents Act 1977**  
**Search Report under Section 17**

**Databases searched:**

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.O): F1B: B2AD, B2FC, B2F12.

Int Cl (Ed.6): F02M: 31/00, 31/02, 31/04, 31/12, 31/13, 31/135, 35/10.

Other: Online database: WPI.

**Documents considered to be relevant:**

Category	Identity of document and relevant passage	Relevant to claims
A	GB 280,555 (Winterhoff) Notice mounting of electric heater <i>e</i> on flange <i>a</i> .	
A	US 5,179,927 (Mercedes) Notice plate type mixture heater in intake port.	
A	US 3,949,715 (General) Notice intake manifold integrated into cylinder head.	
A	DE 3,101,881A1 (KHD) Notice intake and exhaust manifolds integrated into cylinder head.	

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.